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## Retraction Note: Orphan receptor ligand discovery by pickpocketing pharmacological neighbors

**Tony Ngo, Andrey V. Ilatovskiy, Alastair G. Stewart, James L. J. Coleman, Fiona M. McRobb, R. Peter Riek, Robert M. Graham, Ruben Abagyan, Irina Kufareva, Nicola J. Smith**

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In this paper, we developed GPCR-CoINPocket, a computational method for identifying pharmacological similarities of GPCRs, including orphan receptors, solely from their sequences. Guided by our GPCR-CoINPocket predictions for the orphan receptor GPR37L1, we reported several compounds as inverse agonists of GPR37L1 constitutive  $G\alpha_s$ -directed activity. Unfortunately, after the work was published, we discovered a cloning error in the GPR37L1 construct used for compound screening in Fig. 5 and Supplementary Figs. 5 and 6. The corrected GPR37L1 construct no longer displays constitutive activity, and the predicted compounds do not evoke a GPR37L1-mediated response in the pharmacological assays tested (refer to the accompanying [Matters Arising](#)). Therefore, we are retracting this study, and all authors agree with this decision. We sincerely apologize for any impact on the scientific community. The computational method for identifying pharmacological neighbors, GPCR-CoINPocket, is unaffected by this error.